

Recent Publications of Dr. John N. Russell, Jr.

1. "Cycloaddition Chemistry at Surfaces: Reaction of Alkenes with the Diamond (001)-2x1 Surface", J. S. Hovis, S. K. Coulter, R. J. Hamers, M. P. D'Evelyn, J. N. Russell, Jr., J. E. Butler, *J. Am. Chem. Soc.*, 112, 732, (2000).
2. "Functionalization of diamond (100) by Diels-Alder chemistry", G. T. Wang, S. F. Bent, J. N. Russell, Jr., J. E. Butler, M. P. D'Evelyn, *J. Am. Chem. Soc.*, 112, 744, (2000).
3. Cycloaddition chemistry of organic molecules on semiconductor surfaces", R. J. Hamers, S. K. Coulter, M. D. Ellison, J. S. Hovis, D. F. Padowitz, and M. P. Schwartz, C. M. Greenlief, J. N. Russell, Jr., *Accounts of Chemical Research*, 33, 617, (2000).
4. "Oxygen adsorption on the (110)-oriented diamond surface", B. L. Mackey, J. N. Russell, Jr., J. E. Crowell, P. E. Pehrsson, B. D. Thoms, J. E. Butler, *J. Phys. Chem. B* 105, 3803-3812, (2001).
5. "Pi-bond versus radical character of the diamond (100)-2x1 surface", J. N. Russell, Jr., J. E. Butler, George T. Wang and Stacey F. Bent, Jennifer S. Hovis, Robert J. Hamers, Mark P. D'Evelyn, *Materials Chemistry and Physics*, 72, 147-151, (2001).
6. "Areal Inhomogeneities in Vapor-doped Polyaniline Films", J. P. Long, S. E. Bullock, L. J. Buckley, and J. N. Russell, Jr., *Synthetic Metals*, 126 (2-3): 317-323 (2002).
7. "Photochemical Functionalization of Diamond Films", Todd Strother, Tanya Knickerbocker, John N. Russell, Jr., James E. Butler, Lloyd M. Smith, Robert J. Hamers, *Langmuir* 18 (4): 968-971 (2002)